



SAFETY DATA SHEET

Issue Date: 10-June-2015

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Version Number: 01

1. IDENTIFICATION

Product Identifier

Product Name SSS Navigator #9x Multi-Purpose Disinfectant

Other means of identification

Product Code 13204

Recommended use of the chemical and restrictions on use

Recommended Use Multi-Purpose Disinfectant.

Details of the supplier of the safety data sheet

Manufactured for

Triple S
2 Executive Park Drive
Billerica, MA 01862
www.triple-s.com

Emergency Telephone Number

Company Phone Number 1-978-667-7900

Emergency Telephone (24 hr) 1-888-779-1339

2. HAZARDS IDENTIFICATION

GHS Classification

Acute toxicity (Oral) : Category 4

Acute toxicity (Dermal): Category 4

Skin irritation: Category 2

Eye irritation: Category 2A

GHS Label element:

Hazard pictograms



Signal word

Warning

Hazard statements

H302 + H312 Harmful if swallowed or in contact with skin
H315 Causes skin irritation.
H319 Causes serious eye irritation

Precautionary statements

Prevention:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product. P280
Wear eye protection/ face protection.
P280 Wear protective gloves/ protective clothing

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards:

None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Components**

Chemical Name	CAS-No.	Concentration (%)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	6.80
Ethanol	64-17-5	3.20

SECTION 4. FIRST AID MEASURES**If inhaled**

Move to fresh air.
If breathing is irregular or stopped, administer artificial respiration. Give oxygen.
First aider needs to protect himself. Call a physician immediately.

In case of skin contact

Take off all contaminated clothing immediately.
After contact with skin, wash immediately with plenty of soap and water.
Call a physician immediately.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Call a physician immediately.

If swallowed

Call a physician immediately.
Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

No information available.

Notes to physician

No information available

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	Water spray Dry Powder Foam
Specific hazards during firefighting	Heating or fire can release toxic gas.
Further information	Use water spray to cool unopened containers.
Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use respirator when performing operations involving potential exposure to vapour of the product.
Environmental precautions	
General advice	Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13)

Advice on safe handling

Avoid contact with skin and eyes.
Provide sufficient air exchange and/or exhaust in work rooms.

Conditions for safe storage

To maintain product quality, do not store in heat or direct sunlight.
Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		REL	1,000 ppm 1,900 mg/m ³	NIOSH/GUIDE
		PEL	1,000 ppm 1,900 mg/m ³	OSHA_TRANS
	TWA	1,000 ppm 1,900 mg/m ³	Z1A	TWA
	STEL	1,000 ppm	CAD ON OEL	STEL

Appropriate engineering controls
Personal protective equipment
Respiratory protection

In the case of vapour formation use a respirator with an approved filter.

Hand protection
Remarks

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection

Tightly fitting safety goggles
Face-shield

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Rubber or plastic apron
Rubber or plastic boots

Hygiene measures

Wash hands before breaks and immediately after handling the product.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance

Liquid



Color	Colorless
Odor	Varies with fragrance added
Odor Threshold	no data available
pH	7.2 - 8.2
Melting point/freezing point	no data available
Boiling point/boiling range	no data available
Flash point	> 93.3 °C
Evaporation rate	no data available
Upper explosion limit	no data available
Lower explosion limit	no data available
Vapor pressure	no data available
Relative vapor density	no data available Relative
density	no data available Density
no data available	
Solubility	
Water solubility	soluble
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	
Viscosity, dynamic	no data available
Viscosity, kinematic	no data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended storage conditions.
Incompatible materials	Strong oxidizing agents Reducing agents
Hazardous decomposition products	Nitrogen oxides (NO _x) Amines Hydrogen chloride gas Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION



Information on likely routes of exposure

Acute toxicity Eyes Skin Inhalation Ingestion
Acute oral toxicity (LD50)

1,650 mg/kg
 Species: Rat

Acute dermal toxicity (LD50)

1,870 mg/kg
 Species: Rabbit

Carcinogenicity

IARC

Group 1: Carcinogenic to humans

Ethanol

64-17-5

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Further information

Remarks: Information given is based on data on the components and the toxicology Of similar products.

The following toxicological data refer to:

Didecyltrimethylammonium Chloride (CAS-No.: 7173-51-5)

Acute toxicity

Acute oral toxicity (LD50)

238 mg/kg
 Species: Rat
 Method: OECD Test Guideline 401
 GLP: yes

Acute dermal toxicity (LD50)

3,342 mg/kg
 Species: Rabbit

Skin corrosion/irritation

Skin irritation

irritating Species: Rabbit
 Exposure time: 3 min
 Assessment: Causes burns. Method:
 OECD Test Guideline 404
 GLP: yes

Respiratory or skin sensitisation

Sensitisation

Test Type: Buehler Test
 Species: Guinea pig
 Assessment: Did not cause sensitisation on laboratory animals.
 Method: US-EPA
 Result: not sensitizing
 GLP: yes

Germ cell mutagenicity

**Genotoxicity in vitro****Negative**

Ames test, Salmonella typhimurium

Metabolic activation: yes Method: OECD Test Guideline 471

GLP: yes

Negative

Chromosome aberration test in vitro, Chinese hamster ovary cells

Metabolic activation: yes GLP: yes

Negative

Gene mutation, Chinese hamster ovary cells

Metabolic activation: yes GLP: yes

Genotoxicity in vivo**Negative**

Chromosome aberration test in vivo

Application Route: Oral

Species: Rat

Dose: 600 mg/kg Method: OECD Test Guideline 475

GLP: yes

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS-No.: 68424-85-1)**Acute toxicity****Acute oral toxicity (LD50)**

ca. 344 mg/kg

Species: Rat

Acute dermal toxicity (LD50)

ca. 3,340 mg/kg

Species: Rabbit

Exposure time: 24 h

Skin corrosion/irritation**Skin irritation**

Corrosive Species:

Rabbit Exposure time:

24 h Method: DOT

Serious eye damage/eye irritation**Eye irritation**

Corrosive Species:

Rabbit Method:

DOT

Respiratory or skin sensitisation**Sensitisation**

Test Type: Buehler Test

Species: Guinea pig

Assessment: Did not cause sensitisation on laboratory animals. Method:

OECD Test Guideline 406

Result: not sensitizing

GLP: yes

Germ cell mutagenicity

**Genotoxicity in vitro****Negative**

Ames test, Salmonella typhimurium

Metabolic activation: yes Method: OECD Test Guideline 471

GLP: yes

Negative

Chromosome aberration test in vitro, Human lymphocytes

Metabolic activation: yes Method: OECD Test Guideline 473

GLP: yes

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

no data available

Persistence and degradability no data available**Bioaccumulative potential****Components:****Ethanol**

Partition coefficient: n-octanol/water

log Pow: -0.3

Ethanol

Partition coefficient: n-octanol/water

log Pow: -0.

Mobility in soil

no data available

Other adverse effects

**Additional ecological information**

No information on ecology is available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION**IATA**

UN number	1903
Proper shipping name	Disinfectant, liquid, corrosive, n.o.s. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Labels	8
Environmental hazards	no

IMDG

UN number	1903
Proper shipping name	Disinfectant, liquid, corrosive, n.o.s. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Labels	8
EmS Number 1	F-A
EmS Number 2	S-B
Environmental hazards	Marine pollutant: No

ADR

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Classification Code	C9
Hazard Identification Number	80
Labels	8
Environmental hazards	no

RID

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Classification Code	C9
Hazard Identification Number	80
Labels	8
Environmental hazards	no

**DOT**

UN number	1903
Proper shipping name	Disinfectants, liquid, corrosive n.o.s. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Labels	: 8
Emergency Response Guidebook Number	153
Environmental hazards	no

TDG

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N,N-Didecyl-N,N-dimethylammonium chloride)
Transport hazard class	8
Packing group	III
Labels	8
Environmental hazards	no

Special precautions for user	none
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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
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SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word

DANGER!

Hazard statements

Harmful if swallowed.
Harmful if absorbed through skin.
Harmful if inhaled.
Corrosive. Causes skin burns.
Corrosive. Causes irreversible eye damage.

EPCRA - Emergency Planning and Community Right-to-Know Act**CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
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SARA 311/312 Hazards

Acute Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Massachusetts Right To Know**

Edetic acid	60-00-4
Ethanol	64-17-5

Pennsylvania Right To Know

Edetic acid	60-00-4
Ethanol	64-17-5

New Jersey Right To Know

Edetic acid	60-00-4
Ethanol	64-17-5

California Prop 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16. OTHER INFORMATION****HMIS****Health Hazards**

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Flammability

0

Physical Hazards

0

Personal Protection

B = Goggles, gloves

Revision Date: 01-June-2015

Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.